Our Work—Theory and Practice

Before I say a few words about the theory and practice involved in our everyday work, I want to encourage you to consider the blessings of work this Holiday Season.

As I write this article—just before the Thanksgiving Holiday, on the heels of an election, and one day removed from Veteran’s Day—I am reminded to be thankful for the incredible freedoms we have in this country due to the past sacrifices of others. I am also thankful for work. Whether you are retired, semi-retired, in the prime of your career or just starting out, we all work at something. If you also happen to be working at something that you love and are passionate about then you are doubly blessed. Take the time this upcoming Thanksgiving Holiday and count the blessings of work as you celebrate with your family and friends.

Now to my main topic: our everyday work—regardless of our specific job—involves both theory and practice. I was reminded of this last week as I had the privilege of attending the inaugural Industrial Advisory Board meeting in Stillwater, OK, sponsored by OSU’s Building and Environmental Thermal Systems Research Group (BETSRG). Much of our discussion centered on the balance and integration of research, instruction and industry practice. Finding ways to leverage all of these for the benefit of students, instructors, HVAC&R Industry and society at-large is the great challenge. It will take communication, collaboration and cooperation between universities, organizations and individuals to accomplish the worthy goals of all parties.

No better illustration of this intersection of common interests can be found than the Society that ASHRAE represents. This Society is made up of contractors, engineers, researchers, sales engineers, staff and students. As our local Chapter plans meetings each year we strive to provide information, resources and topics that will appeal to most of these groups. As such we have planned numerous promotional themes for each meeting: these include Membership, Research Promotion, Contractors, Consulting Engineers, Students and YEA, Scholarships and Past President’s.

(Continued on page 2)
In December we will be recognizing the Consulting Engineers in our industry while in January we will recognize the Contractors. Please make plans to attend these upcoming meetings and encourage many of your ASHRAE colleagues and friends to attend also. Each of these meetings will have interesting topics and speakers that we feel will be informative and provide real benefit. (Please refer to the 2016/2017 Programs Schedule in this Newsletter to see the specific topics and speakers.)

Finally, it is not too early to begin planning for our February Research Promotion Auction. Begin thinking of items to donate to this worthy cause. As I mentioned at the beginning of this article, one of the main legs of our Society is the great research component. Many within our local chapter have been directly involved and have had direct benefit of this research. I would also add that all of us benefit indirectly from this work. We have a committee organized and we will be sending out more information on this soon. Contact Duane Harman or Ryan Dunkerson with inquiries or to arrange donation items.

Jeff Ferguson can be reached at 918-877-6000 or jferguson@cyntergy.com.

RESEARCH PROMOTION
By: Paul Oman

Last chapter year we raised just over $49,000.00. At the December meeting we will be taking some time to recognize our last year’s major contributors, and to thank everyone for their hard work and commitment that made it all possible. We have a great group of people in our chapter and all of you need to be recognized!! Below is a list of “Everyone” that contributed last chapter year:

- Rod Hammack
- LeAnna Reynolds
- Paul Oman
- Joe Herron
- Terry Elliot
- Terry Coleman
- Jerry D Smith
- Matthew Petersen
- Herbert Maturino
- Lynn E Dison
- Casey Colclasure
- Rob Teis
- Tim Wilcox
- Jeffery Ferguson
- Dyna Service
- Kelly Coday
- Phillip Beach
- William G Boone
- Peter Shillingford
- Mary Goins
- David Myers
- Tom Owens
- Nolan Chance
- Robert Dixon
- ES2
- Michael Beda
- Flynt & Kallenberger
- Fred Richardson
- Keith Browne
- Tony Beeson
- Robert William Allwein
- Mary Bowers
- Daniel Owens
- Charles Steve Uerling
- Cary Pestel
- David E Knebel
- OCE Mechanical
- Chad Smith
- Gerault C Green Jr
- Joel Karstetter
- Bruce D Harman II
- Brad Ezell
- Jack W McGuire
- AAON

If you haven’t already, please consider making your individual (tax deductible) contribution today. More than half of all Research dollars raised come from individuals like you and me. You can contribute online at ASHRAE Research.

(Continued on page 3)
Looking forward to our Annual Research Auction in February please be thinking of item(s) you can donate. We have had great success in the past and look forward to the same or even better this year. Please let me know if you plan on donating so I can create a list for the January newsletter.

Paul Oman can be reached at 918-249-1918 or poman@federalcorp.com.

(Continued from page 2)

TREASURER REPORT

By: Nolan Chance

We had a great attendance at our last meeting as we officially had 53 people in attendance; including 3 guests. The check-in process for the meetings continues to improve. This is often a bottle neck but we are continually improving. The overall number of booster tickets is down from previous years which is a direct correlation to the number of credit cards used at the meeting and people pre-paying online.

If you wish to purchase a corporate booster ticket this can be done in person at the next meeting or you can contact me direct to do so.

Please see our Net Worth report below.

Nolan Chance can be reached at 918-605-5726 or nolan@pecook.com.

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CHAPTER TECHNOLOGY TRANSFER
By: Andrew Sneed

Thank you to all who came out for our second lunch meeting of the year. It was very interesting having such a knowledgeable presenter in Gus Faris providing us an update on ECM motors and their place in the ever-increasing energy efficiency standards. Now we are looking forward to our next monthly meeting for the ASHRAE year on Wednesday, December 7th, 11:30am at Ti Amo Ristorante.

The speaker will be Ron Wendorski, Area Sales Manager for the Central U.S. and Canada for Greenheck Fan Corporation. Ron has been with Greenheck for fourteen years and has held various positions during his career including Product Manager for Laboratory Exhaust Systems, Engineering Manager for Laboratory Exhaust Systems and for Fan & Ventilator Axial Products. Ron is an active member of ASHRAE, being part of ASHRAE Technical Committee 9.10 Laboratory Systems.

Mr. Wendorski will be speaking to us about “Understanding Sound: Properly Specifying Fans to Meet Acoustic Requirements.” Understanding and meeting acoustic criteria for HVAC applications is an ever-increasing project requirement. The presentation will review the various sound definitions, nomenclature, and measurement, as well as discuss fan and equipment acoustics.

Be sure to check out the online calendar for future meetings. This will be the final lunch meeting of 2016 but we start off 2017 with our first of two ASHRAE Distinguished Lecturers coming to speak to us on January 4th.

Call for Award Submissions:
If you have designed a project, new or renovation, that is innovative in its approach to energy efficiency or IAQ, or has a creative approach to an unusual design challenge, you deserve to be recognized! ASHRAE’s Technology Awards give you and your clients a chance to get recognition at the regional or national level. National winners are profiled in the ASHRAE Journal. If you have a project you are proud of, contact Andrew Sneed for more information, or click on Technology Awards.

2017 ASHRAE Winter Conference:

It’s almost that time! The 2017 ASHRAE Winter Conference and AHR Expo Technical Program is now available in PDF format as well as through the Interactive Tech Program and Personal Scheduler. The Interactive Tech Program allows you to compile sessions by technical interest area. The Personal Scheduler allows you to search the technical program, and schedule an itinerary for the conference. The Conference and AHR Expo will take place in Las Vegas, January 28 · February 1. Register by December 22nd for the best rates.

Andrew Sneed can be reached at 918·584·0102 or sneed@phillipsgomez.com.
MEMBERSHIP PROMOTION

By: Robert Schatz

So far this month we have added 2 new members! We want to give a warm welcome to Robert Piland of Piland Engineering, Inc. and Darrell Roberts of Choctaw Nation Health Services Association. That brings our gross total for the year to 7 new members. We need your help to keep this momentum rolling. If you have coworkers or work associates that could benefit from being a member of ASHRAE please encourage them to join.

If you are an active student member the “Smart Start” program gives you a cost effective transition to associate membership. There are other programs available for first time members so don’t hesitate to encourage potential members to reach out to ask questions. That is what we are here for.

Our chapter is participating in the Air Assurance Industry Excellence Show on November 17th. The show is geared toward trade school students interested in finding out more about the HVAC&R and Plumbing industries. With over 300 trade school students expected to attend we hope to inform and educate them about the benefits of membership in ASHRAE.

If you recently passed your PE or have been an associate member for 12 years you may be eligible for an update from “associate” to “member”. Contact me if you think this applies to you or if you are not sure what your membership grade is and would like to find out.

Robert Schatz can be reached at 918-836-0271 or robert.schatz@leeandbrowne.com.

YEA

By: Kyle Bowling & Brian Biggerstaff

Thanks to everyone for coming out and supporting our November Event at Xtreme Racing. December is right around the corner and Airetech would like to invite all of the YEA members to their annual Company Christmas Party on December 1st for a “YEA Happy Hour.” Once more details are known we will send out an email with the details.

Corporate sponsorship is an integral part of the success of YEA in our chapter. If you or your company is interested in participating or sponsoring an event please let us know. All support is appreciated.

Kyle Bowling can be reached at 918-825-7222 or kyleb@rae-corp.com.
Brian Biggerstaff can be reached at 918-624-1005 or bbiggerstaff@eei-ok.com.
STUDENT ACTIVITIES
By: Brian Murray

ASHRAE is participating in a local “Industry Excellence” show that promotes the field of HVAC and ASHRAE to high school, Vo-Tech, and local trade school students. Robert Schatz and I were able to promote the benefits of ASHRAE to these potential recruits.

We are encouraging our student chapters to participate in the ASHRAE Student Design Competition. ASHRAE sponsors these competitions to “encourage students to become involved in a profession that is crucial to insuring a sustainable future for our Earth – the design of energy-efficient HVAC systems.”

There are four categories to compete in:

- HVAC Design Calculations
- HVAC System Selection
- Integrated Sustainable Building Design (ISBD)
- The Applied Engineering Challenge

We hope that some of our local students will represent the NEOK chapter, the successful team wins a trip to the 2018 ASHRAE Winter Meeting in Chicago.

Brian Murray can be reached at 918-665-6600 or brian@airetechcorp.com.
GRASSROOTS GOVERNMENT ADVOCACY COMMITTEE
By: Chad Smith

The GGAC committee is coordinating a training seminar for the new 2015 code updates for local area officials in February. We will have more details to follow next month, so be looking for updates as you won’t want to miss this opportunity.

It’s also not too early to remind you about E-week coming up that same month, February 19th through 25th, 2017. This will be a week that we as industry professionals will be reaching out to the area students in K-12 grades and promoting the different careers in engineering and specifically promoting the opportunities in the HVAC industry. Please let us know if you are interested in participating in these activities as we are always in need of volunteers.

Lastly, don’t forget that ASHRAE is a grassroots organization and as such, it is all of our role to educate and advise our public officials on our industry standards. Along with that, Society puts out weekly updates on government activities at the federal level as well as at the different chapter levels. Below is the link on Society’s webpage where you can sign up to receive weekly emails with the current government happenings. You can also find an archive of past updates. Please log on and sign up to stay up to date on the ASHRAE website at https://ashrae.org/government-affairs/government-affairs-updates/government-affairs-subscription.

Chad Smith can be reached at 918-665-6600 or chad@airetechcorp.com.

SUSTAINABILITY
By: Claire Farr

The holiday season is upon us! Did you know that there are still opportunities to implement sustainable best practices?

Are you planning on frying a turkey this Thanksgiving? If not a turkey, whatever you plan to fry this holiday season, don’t forget to dispose of your waste oil responsibly because it can cause major problems for your pipes. According to the Tulsa World, Tulsa has about 40 grease-related sewer overflows annually, which result in higher fees for sewer utility customers. Some homeowners have even faced expensive plumbing bills for their own repairs. You can dispose of your waste oil, fats, and grease at a special collection event on Sunday, November 27th from 10:00 a.m. to 3:00 p.m. at the Central M.e.t. Recycling Center, 3495 S. Sheridan Rd. If you can’t make it to the collection event, there are several M.e.t. locations that accept these materi-
HISTORY
By: Gene Redford

As we all have been recognizing our Veterans this month I attended a Salute to Veterans in Broken Arrow on November 13th. I thought this would be a great article to share since it is about our own 45th Infantry Division in Oklahoma. In case some of our members do not know this our own NEOK member, Keith Browne, is the Executive Director of the Military History Center located in Broken Arrow. Be sure to stop in and visit the center since there is lots to see.

The National Defense Act of 1920 created and formed the 45th Infantry Division which included several states including Oklahoma, Colorado, Arizona and New Mexico. The Oklahoma members camped together for the first time in 1924 at Ft. Sill.

In the early years pre-dating WWII the division was called upon to maintain order in times of disasters and keep peace during periods of political unrest. In September 1940 the division was ordered into federal service for one year to engage in a training program. By the end of the year the world situation had worsened, and the Thunderbirds continued their training and prepared for what would become WWII. They trained at Ft. Sill: Camp Barkeley, TX; Ft. Devens, MA: Pine Camp, NY; and Camp...
Pickett, VA and on July 10th, 1943 the division served 511 days in combat; fighting their way across Sicily, Italy, France and Germany.

The National Guard Division became highly regarded by both regular army forces and the enemy for their valiant efforts and fighting abilities. The 45th earned their nickname “Rock of Anzio” during the Italian campaign of WWII.

The 45th served with General Patton’s US 7th Army during the Sicilian campaign and when the fighting was done Gen. Patton had this to say about the fearless division, “Born at sea baptized in blood, your fame shall never die. The 45th Division is one of the best, if not the best, division in American arms.”

The 45th went on to serve time in Korea as well as places like Pork Chop Hill, Heartbreak Ridge and Luke’s Castle. Since this time they have restructured several times and are now known as the Oklahoma 45th Infantry Brigade. The 45th has served in every major conflict since WWII and has been deployed more times since WWII than any other National Guard Unit.

If you are a past president and have not sent me your bio information please do so as soon as you can so we can get your info in our web site.

Gene Redford can be reached at 918-346-0444 or glredbird@yahoo.com.

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HONORS & AWARDS

By: Mike Beda

The challenge is on again this year. The 4 Officers and 5 Board of Governors are challenged to upgrade their ASHRAE bios before the January 12th, 2017 Board meeting and email me a copy. Be sure to add activities outside ASHRAE, i.e., Boy Scout leader, offices held in other organizations etc. where you use your leadership abilities.

Again, your reward will be a beverage of your choice at the meeting.

Mike Beda can be reached at 918-664-0312 or mike@pecook.com.
BOG MEETING MINUTES - SEPTEMBER

By: Brady King

Board of Governors

Chapter: Northeastern Oklahoma Chapter 069

Meeting Date: October 13th, 2016 of Governors

Attendance: Jeff Ferguson, Matt Petersen, Nolan Chance, LeAnna Reynolds, Mike Beda, Gina Taylor, Dan Owens, Duane Harman, Justin Stonehocker, Robert Schatz, Robert Boozer, Brady King, Andrew Sneed, Kyle Bowler, Ryan Dunkerson.

The NEOK Chapter BOG Meeting was held on October 13th, 2016 at Cyntergy. Chapter President Jeff Ferguson called the BOG meeting to order at 4:45PM. Special thanks to Cyntergy for sponsoring food, Duane Harman & Robert Boozer for sponsoring drinks

Old Business: October Chapter Meeting minutes submitted and approved with attendance info corrected per motion by Dan Owens, Mike Beda seconded the motion. September BOG meeting minutes to be submitted and approved via email ASAP.

Andrew Sneed was nominated and received approval as a participant in Society’s LeaDRS Program. Andrew will

(Continued on page 11)
have the opportunity to shadow Region VIII DRC and officers at the Society Annual Meetings. Meeting expenses will be covered by Society.

**President:** Jeff Ferguson – Reminded BOG / Chairs of monthly RVC updates, Calendar and Website Updates, PAOE updates, MBO next update due 12/15/16, Newsletter article submission deadlines, Google Drive resource for information, chair instructions and checklists, event photos directory, Chapter Meeting Meal Booster sponsorships and invoice collection from past chapter events.

**CRC Action/PAOE:** LeAnna Reynolds – look for spreadsheet from LeAnna for PAOE.

**Newsletter:** Matt Petersen – Keep Pam Duffy in the loop for all newsletter and chapter communications.

**Treasurer:** Nolan Chance – ASHRAE can go directly to society for research instead of thru the chapter. Nolan checking to see if he deposited checks into the chapter instead of straight to society. PayPal goes thru our books. As long as ASHRAE is on the check, society will deposit it. Research go straight thru Paul. PO box, Jeff has 2. Working on ironing out exactly what money goes where. (such as does all poker go to research). BOG advised to conservatively increase pass thru dollar amount for budget.

**Secretary:** Brady King – sending September BOG meeting and October chapter meeting minutes motion to be approved by Dan Owens, 2nded by Mike Beda. Include October mtg attendance and guests, name or count.

**Attendance/Reception:** Randy Ramsey – No YEA member on committee, getting Stephanie. Moving payment section further down the table to clear check-ins. He told people what to do to pay. Working with Robert to get new member badges. Booster ticket get dinged for payment even if they don't show up. Count the people in the room still for Ti Amo. 44 in attendance.

**CTT Chapter Programs:** Andrew Sneed – November 2nd meeting went well. Will send meeting PDF survey tonight or tomorrow for October chapter meeting. All TBD meetings have been filled in except one. January and April to have DL. Will update RVC and PAOE.

**GGAC:** Chad Smith – Government official list has to go out by Oct 15th. Working on local code training seminar with Dan Owens.

**Historian:** Gene Redford – Not present. Working on history. Idea presented to add historical pictures to the PowerPoint presentations at meetings.

**Honors and Awards:** Mike Beda – No RVC. No new info. Will get together with LeAnna as needed to coordinate. Roberts award for last year, regional director is supposed to send.

**Membership Promotion:** Robert Schatz – Air Assurance putting on local tech trade show. Give chapter info for student membership, etc, booth price $175, in budget to split between membership promotion and student activities. Robert motions to purchase and man booth, Dan Owens 2nded. Brian & Robert man the booth and have con
tractor present with them. Nov. 17th. will update for meeting slideshow. Will update RVC, PAOE and newsletter. Kerry Rowland new member. +6 on members for the year.

Publicity: Gina Taylor – will check with FB. Take pictures of AEEE meeting on 27th to post to FB later. Gina will be gone. Keep PowerPoint ideas coming. LeAnna reminded about LinkedIn.

Refrigeration: Robert Boozer – email in a week or so, to send newsletter... send ideas to Robert.

Research Promotion: Paul Oman – not present, Duane comments, get the invoices out for the golf tournament. Full circle minimum is officers, and extra PAOE for chairs donating.

Special Events: Ryan Dunkerson & Duane Harman – Brian Hamilton interested to help. Reaching out with Kerry Rowland. Some offered to help with the booth at the AEEOK & NEOK ASHRAE Mech. Energy Eff. Seminar, but nothing definite. Note to mention at Nov. chapter meeting, engineers will get PDH’s at the Seminar.

Student Activities: Brian Murray – No new info. LeAnna, setup appointments for all the student chapters now that college is in session.

Sustainability: Claire Farr – Not present. Update given thru Justin: She has no RVC. Newsletter to be updated tonight. Has had no luck making contact with Tulsa Children Museum. Is looking for contact for Global Gardens group - Jeff has a contact and will send.

Directory/Website: Justin Stonehocker – Committee had a good meeting last week, Oct. 7th, and they updated some pages. If unsure on updating, ask for help and instructions. LeAnna bio needs updating. Meeting topic raised current provisions, equivalent if not better at the same price, though money has already been spent. Possible refund unknown, but not believed likely. If transferred, website structure would be refreshed. Also would allow embedding 3rd party apps, such as google calendar, etc. Justin will need to step down after this year, so would possibly be good to switch over before the end of the year for smoother transition to new person. Need to vote at December meeting to decide to switch website hosts. Will work on getting info before then. RVC will be contacted, sent in newsletter article.

STEM YEA: Cheyenne Reynolds – Not present. LeAnna updated: STEM Exploratorium event had ~1000 kids show up. Still open for other ideas. Jeff will check with wife’s homeschool group. Metro Christian is coming to Centergy and ASHRAE members will talk to them. Reminder for members that Boy Scouts and Girl Scouts still count.

YEA: Brian Biggerstaff & Kyle Bowling – beer barrel race on the 27th, sent to YEA members, still need more. May open up to older members if needed. RVC has been contacted.

Other Business: January meeting TBD still. Idea to have special drawing for contractors, promote as contractors night. Possible life safety devices type meeting via SMACNA. Andrew talking to SMACNA about crossover meeting/tech sessions. During chapter meetings allow for 10 min of questions after speaker. MBO update due 12/16.

BOG meeting was adjourned at 6:05 PM.
CHAPTER MEETING MINUTES - OCTOBER
By: Brady King

Chapter

Chapter: Northeastern Oklahoma Chapter 069
Meeting Date: October 5th, 2016

The NEOK Chapter Meeting was held Wednesday, November 2nd, 2016 at Ti Amo Ristorante.

Members checked in and began the food line at 11:30am. Once everyone was eating, chapter President Jeff Ferguson called the meeting to order, 11:45am, acknowledged the guests including a student (Faran) from ORU. He also reminded the engineers to get your PDH when filling out the meeting survey. He announced the YEA driving event and the AEEOK & ASHRAE Mechanical Energy Efficiency Seminar.

The half pot drawing was conducted by Gene Redford. There were no winners at this month’s meeting. Chad Smith directed the pledge, spoke on gratitude and gave the blessing over the food. The drawing was conducted for the RSVP prize with the winner being Brian Murray. Paul Oman gave an ASHRAE research update and reminded those with outstanding bills from the golf tournament to contact him.

Andrew Sneed introduced our meeting speaker Gus Faris. Gus spoke about the specifics of new code requirement for all fractional horsepower fans to use EC motors. He gave an explanation of the technology as well as the effects of applying this technology to total HVAC system efficiency in addition to control sequence & affect on parallel and series fan boxes as well. Gus concluded by spending a few minutes answering questions from the audience.

At closing Jeff announced that Andrew Sneed (CTTC) was selected for the ASHRAE LeaDRS program and asked everyone to turn badges in on the way out.

Meeting adjourned at 12:47pm

ASHRAE SOCIETY NEWS
By: Matt Petersen

November is almost over, Thanksgiving is next week, Christmas lights and trees are starting to show up, Santa is on his way, snow? Well, maybe. Let’s hope for a nice winter this year. We have had very easy winters the past few years, so we have been lucky.

Has everyone started their gift shopping? I know I have, it is much easier this year since I do most of it online. Christmas will be here before you know it. With that in mind I always like to remind people this is the season for giving, not only to family and friends, but to people who are in need of coats, blankets, toys and food. Do not forget to donate, to give, to provide. That is what this season is all about.

(Continued on page 14)
(Continued from page 13)

Just a friendly reminder of the AHR Expo is in Las Vegas this year!

![AHR Expo 2017 Las Vegas](image)

**Society News / Press Releases (for more detailed information please select the link)...**

- **Online Thermal Comfort Compliance Tool Included in New ASHRAE User's Manual** - A new User's Manual for ASHRAE's thermal comfort standard provides an overview for new users while also including more detailed information for those more familiar with its requirements...

- **ASHRAE/IES Publish 2016 Energy Efficiency Standard** - Numerous energy savings measures resulting from industry input are contained in the newly published energy efficiency standard from ASHRAE and IES...

- **Sessions on Low GWP Refrigerants Featured at ASHRAE Conference** - In light of recent action by 197 countries agreeing to amend the Montreal Protocol to phase down the production and consumption of hydrofluorocarbons (HFCs) globally, industry experts will share guidance on how to incorporate low global warming potential refrigerants at the ASHRAE 2017 Winter Conference...

- **Changes to Commissioning Requirements Proposed for Green Building Standard** - Changes to the commissioning requirements in Standard 189.1 that would increase its ability to support achieving high performance green buildings are open for public input...

- **Revised Residential Energy Standard Open for Industry Input** - Recognizing the amount of energy used by the residential building sector, ASHRAE and IES are revising their residential energy standard with a goal of making it 50 percent more efficient than the 2006 International Energy Conservation Code, which serves as the industry benchmark...

Matt Petersen can be reached at 918-665-6600 or matt.petersen@airetechcorp.com.
# NEOK Booster Ticket Application

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**Total Paid:** $

* Tax deductible donation for the benefit of the Chapter

Company Name: ____________________________  Contact Person: ____________________________

Street Address: ____________________________  Phone Number: ____________________________

City, State, Zip: ____________________________  Email Address: ____________________________

Make checks payable to: NEOK ASHRAE

Mail checks to: NEOK ASHRAE  
PO Box 52746  
Tulsa, OK 74152
## 2016/2017 Programs

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<td>03/01/2017</td>
<td>State of Engineering in Oklahoma</td>
<td>TBD</td>
<td>Student &amp; YEA Night</td>
</tr>
<tr>
<td>04/06/2017</td>
<td>ANSI/ASHRAE Standard 188</td>
<td>Patricia Graef Munters &amp; ASHRAE Dist. Lecturer</td>
<td>Past Presidents &amp; Scholarship Night</td>
</tr>
<tr>
<td>05/03/2017</td>
<td>DOE &amp; ASHRAE 90.1 for the Pump Industry</td>
<td>Del Neubauer Xylem, Inc.</td>
<td>Awards &amp; Installation of Officers</td>
</tr>
</tbody>
</table>

If you know of any unique projects, including bEQ ratings, let us know so we can share them with others and get PAOE points for our chapter. Also, if you want to get involved or to sponsor an event, contact us at sneed@phillipsgomez.com.
## 2016/2017 Calendar of Events

<table>
<thead>
<tr>
<th>Important Dates</th>
<th>Meeting</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 18, 2016</td>
<td>Board of Governors</td>
<td>Cyntergy</td>
</tr>
<tr>
<td>September 8, 2016</td>
<td>Chapter Golf Tourney</td>
<td>The Canyons at Blackjack Ridge</td>
</tr>
<tr>
<td>September 15, 2016</td>
<td>Board of Governors</td>
<td>Cyntergy</td>
</tr>
<tr>
<td>September 22, 2016</td>
<td>STEM Exploratorium</td>
<td>Exchange Center</td>
</tr>
<tr>
<td>October 5, 2016</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>October 13, 2016</td>
<td>Board of Governors</td>
<td>Cyntergy</td>
</tr>
<tr>
<td>October 22, 2016</td>
<td>Bier Barrel Race w/YEA</td>
<td>Tulsa Oktoberfest Grounds</td>
</tr>
<tr>
<td>October 27, 2016</td>
<td>AEEOK &amp; NEOK Tradeshow</td>
<td>Tulsa Southern Hills Marriott</td>
</tr>
<tr>
<td>November 2, 2016</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>November 10, 2016</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>December 7, 2016</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>December 15, 2016</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>January 4, 2017</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>January 12, 2017</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>January 28-31, 2017</td>
<td>ASHRAE Winter Meeting</td>
<td>Las Vegas, NV</td>
</tr>
<tr>
<td>February 2, 2017</td>
<td>Chapter Meeting (Dinner)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>February 9, 2017</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>February 19-25, 2017</td>
<td>National E-Week</td>
<td>Worldwide</td>
</tr>
<tr>
<td>March 1, 2017</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>March 9, 2017</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>April 6, 2017</td>
<td>Chapter Meeting (Dinner)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>April 13, 2017</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>April 27-29, 2017</td>
<td>CRC</td>
<td>Oklahoma City, OK</td>
</tr>
<tr>
<td>May 3, 2017</td>
<td>Chapter Meeting (Lunch)</td>
<td>Ti Amo Ristorante</td>
</tr>
<tr>
<td>May 11, 2017</td>
<td>Board of Governors</td>
<td>Cyntery</td>
</tr>
<tr>
<td>May 18, 2017</td>
<td>Spring Shooting Event</td>
<td>TBD</td>
</tr>
<tr>
<td>June 8, 2017</td>
<td>YEA Poker Night</td>
<td>TBD</td>
</tr>
<tr>
<td>June 22, 2017</td>
<td>Board of Governors/LRP</td>
<td>TBD</td>
</tr>
<tr>
<td>June 24-28, 2017</td>
<td>ASHRAE Annual Meeting</td>
<td>Long Beach, CA</td>
</tr>
</tbody>
</table>

For any correspondence using postal service please send to:

NEOK ASHRAE  
P.O. Box 52746  
Tulsa, OK 74152
### 2016/2017 Chapter Volunteers

**Officers**
- **President**: Jeff Ferguson, 918-877-6000, jferguson@cyntergy.com
- **President-Elect**: Matt Petersen, 918-665-6600, m.petersen@airetechcorp.com
- **Treasurer**: Nolan Chance, 918-664-0312, nolan@pecook.com
- **Secretary**: Brady King, 918-493-2712, brady@martinengineeringdesign.com

**Board of Governors**
- **BOG**: Chuck Mayfield, 918-624-1005, cmayfield@eei-ok.com
- **BOG**: Dan Owens, 918-270-1414, owens.d@mcintoshservices.com
- **BOG**: Robert Schatz, 918-836-0271, robert.schatz@leeandbrowne.com
- **BOG**: Ray Gomez, 918-584-0102, gomez@phillipsgomez.com
- **BOG**: Mike Beda, 918-664-0312, mikebeda1945@yahoo.com

**Committee Chairs**
- **CRC Delegate**: LeAnna Reynolds, 918-599-4120, leanna.reynolds@benham.com
- **CRC Alternate**: Jeff Ferguson, 918-877-6000, jferguson@cyntergy.com
- **Attendance/Reception**: Randy Ramsey, 918-279-6450, rramsey@es2ok.com
- **Audit**: Chad Smith, 918-665-6600, chad@airetechcorp.com
- **CTT/Programs**: Andrew Sneed, 918-584-0102, sneed@phillipsgomez.com
- **GGAC**: Chad Smith, 918-665-6600, chad@airetechcorp.com
- **Historian**: Gene L. Redford, 918-346-0444, glredbird@yahoo.com
- **Honors & Awards**: Mike Beda, 918-664-0312, mikebeda1945@yahoo.com
- **Invocations**: David Lam, 918-250-5590, david.lam@omnimechanical.net
- **K-12 STEM**: Cheyenne Reynolds, 918-224-6560, creynolds@apulpaps.org
- **Membership Promotion**: Robert Schatz, 918-836-0271, robert.schatz@leeandbrowne.com
- **Newsletter**: Matt Petersen, 918-665-6600, m.petersen@airetechcorp.com
- **Nominating**: Joel Karstetter, 918-665-3974, joel.karstetter@abscompanies.com
- **Publicity / Social Media**: Gina Taylor, 918-877-6000, gtaylor@cyntergy.com
- **Refrigeration**: Robert Boozer, 918-382-6978, robert.boozer@hydronicsystems.com
- **Research Promotion**: Paul Oman, 918-249-1918, poman@federalcorp.com
- **Special Events Co-Chair**: Duane Harman, 918-743-4419, duane@harmaneng.com
- **Special Events Co-Chair**: Ryan Dunkerson, 918-491-4253, rdunkerson@frerenewable.com
- **Student Activities**: Brian Murray, 918-665-6600, brian@airetechcorp.com
- **Sustainability**: Claire Farr, 918-279-6450, cfarr@es2ok.com
- **Webmaster/ECC**: Justin Stonehocker, 918-279-6450, jstonehocker@es2ok.com
- **YEA Co-Chair**: Kyle Bowling, 918-825-7222, kyleb@raecorp.com
- **YEA Co-Chair**: Brian Biggerstaff, 918-624-1005, biggerstaff@eei-ok.com

This newsletter describes the activities of ASHRAE Chapter 069 of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE). It does not present official positions of the Society nor reflect Society policy.

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